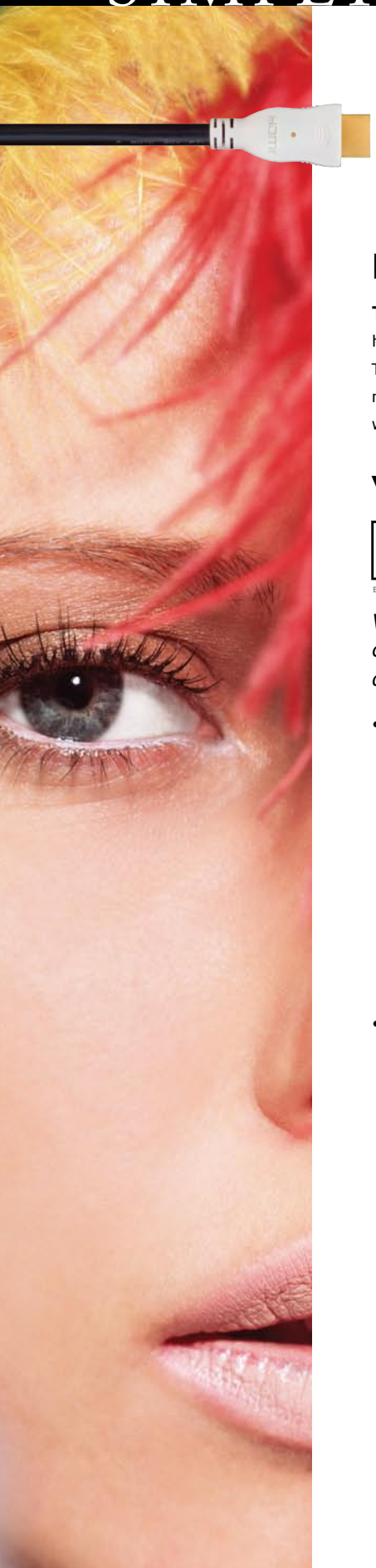
SIMPLY RAVISHING

High-Definition Video Processing in a Single Cable Connection.

DVDO
Powered by ABT

SIMPLY RAVISHING



iScan VP20

DVDO iScan VP Series

The iScan™ VP20 and the iScan™ VP30 are high-definition video processors that convert standard definition, high definition and PC signals to one output resolution which is carried over a single connection to your display. The iScan VP20 and VP30 have many output resolutions between 480p and 1080p, including those needed for most popular displays. In addition to processing video, both the iScan VP20 and VP30 are audio/video hubs that will automatically delay the audio so that the video and audio are maintained perfectly in sync.

Video Reference Series Technologies

BY ANCHOR BAY TECHNOLOGIES

Flat Panel Display

Front Projector

Video Reference Series technologies are cutting edge video processing technologies that are designed in-house at Anchor Bay Technologies.

- VRS Precision Deinterlacing™ – World Class SD Deinterlacing
  - — 480i/576i Source, Motion & Edge Adaptive Deinterlacer
  - — Game Modes with very low latency
  - — Reliable 2:2 pull-down detection for 50Hz countries
  - — Edge adaptive processing for smooth diagonal edges
  - — Arbitrary cadence detection (any:any)
  - — Detection of multiple source types within a frame (video titles over film)
  - — Bad edit detection to minimize artifacts caused by sequence breaks in film content
- VRS Precision Video Scaling II™
  - — 10-bit Scaling
  - — Enhanced Sharpness Control

Compatible with Plasma, LCD, LCoS,

VRS Precision Deinterlacer

The Precision Deinterlacing Card improves the 480i/576i deinterlacing and elevates the iScan VP Series to "Best-in-Class" Performance. Features 480i/576i Source, Motion & Edge Adaptive Deinterlacing to produce a smooth image, free of artifacts such as jagged edges and combing.

Competitive Processing

VRS Precision Deinterlacer

iScan™

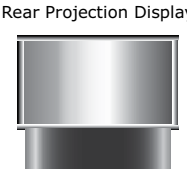
iScan VP30

iScan™ VP20

- 9 Video Inputs / 8 Audio Inputs
- Digital Video Output
- Factory-defined Output Resolutions between 480p and 1080p
- Optional VRS Precision Deinterlacing Card

iScan™ VP30

- 11 Video Inputs / 9 Audio Inputs
- Analog and Digital Video Outputs
- User-definable Output Resolutions between 480p and 1080p
- Optional VRS Precision Deinterlacing Card and SDI Input Module



Rear Projection Display

Direct View Display

DLP and CRT-based display technologies

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI connectivity provides the highest quality HD connection in a single cable.

A/V Receiver

Audio

Up to 1080p

Video or Audio/Video

Audio / Video

DVD

480i

Satellite Receiver

480i

HD Receiver

1080i
720p

DVR

480i

Video Game Consoles

720p
480i

VCR

480i

Laser Disc

480i

HD DVD Player

1080i

PC Notebook
XGA

VRS Technology Highlights

- Precision A/V LipSync™
  - — Intelligent digital audio delay technology to match Audio and Video timing
- AutoVFR™ – Automatic Video Format Routing
  - — Intelligent Component/HDMI Video inputs which detect and process SD/HD/PC sources correctly
- AutoCUE-C™ Automatic Chroma Upsampling Error Correction
  - — Detection and correction
- Rightrate™ – High-Performance Frame Rate Conversion provides optimum match of source frame rate to display frame rate

HOME CINEMA Choice Best Buy GUARANTEE

GUIDE HOME THEATER 2004 EDITORS' CHOICE GOLD AWARD

THE PERFECT VISION EDITORS' CHOICE

ELECTRONIC HOUSE 2005

Home Theater or High Fidelity Best of 2004 Video Processors DVDO iScan HD

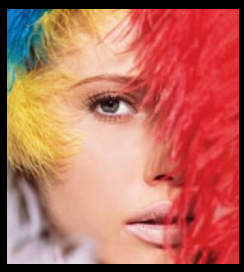
EXCITE CustomRetailer

DVDO Powered by ABT

Specifications

	iScan™ VP20	iScan™ VP30
INPUTS		
HDMI Audio/Video	**3**	**4**
RGBHV/Component Video (BNCs)	**–**	**1**
Component Video	**2**	**2**
S-Video	**2**	**2**
Composite Video	**2**	**2**
SD-SDI (Serial Digital Interface)	**–**	**Optional**
Coaxial Digital Audio (Assignable)	**2**	**2**
Optical Digital Audio (Assignable)	**2**	**2**
Analog Audio (Assignable)	**1**	**1**
OUTPUTS		
HDMI Audio/Video	**1**	**1**
RGBHV/Component Video (BNCs)	**–**	**1**
Coaxial Digital Audio	**1**	**1**
Optical Digital Audio	**1**	**1**

VP20 AND VP30 KEY FEATURES



- Motion and source adaptive video deinterlacing for NTSC (3:2 and 2:2 pulldown; video) and PAL/SECAM (2:2 pulldown; video) sources
- SD/HD Analog and Digital Transcoding and Processing
  - — One connection can carry all of your video signals to your display
- NTSC to PAL conversion and PAL to NTSC conversion (50Hz ⇔ 60Hz)
- Timebase Correction to correct unstable sources, like a VCR
- Flexible Input and Output Aspect Ratio Control
  - — Input aspect ratio presets for 4:3 and 16:9 content with user memories (10) with flexible horizontal and vertical zooming & panning controls
  - — Output aspect ratio presets for 4:3 and 16:9 displays
- High performance, multi-standard video decoder (10-bit: 480i/576i; 12-bit: 480p/576p/720p/1080i)
- High-quality super-adaptive comb filter with 2D Y/C separation
- Built in test patterns to assist in setup of your display and your individual sources which are connected to the iScan
- Optional VRS Precision Deinterlacing Card adds "Best in Class" standard definition (480i/576i) deinterlacing performance
- Factory Defined Output Resolutions – 480p, 576p, 720p-50, 720p-60, 1080i-50, 1080i-60, 1080p-50, 1080p-60, VGA, XGA, 852x480, 1024x576, 1024x1024, 1280x768, 1360x768, 1366x768

The iScan VP30 also adds:

- An additional HDMI input (total of 4)
- Framerate conversion which allows source-locked 48/72Hz output for film-based sources
- Input and Output Aspect Ratio support for non-standard content and displays
  - — Panamorphic/Anamorphic Lenses on front projectors (constant height configurations)
  - — User definable content and display aspect ratio
- Analog Component/RGBHV input using high quality BNCs
- Analog Component/RGBHV output using high quality BNCs
  - — 10-bit, 300 MHz instrumentation-quality DACs with up to 10X oversampling (2x for 1080p)
- Display Profiles — For multiple display configurations (10)
- Additional test patterns to assist in display calibration
- User-definable Output Resolutions between 480p and 1080p (27 Factory Defined Resolutions)
- Optional SD-SDI Input Module for the absolute best picture quality from a standard definition digital source that has an SD-SDI output

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

OPTIONAL ACCESSORIES

Precision Deinterlacing Card (ABT102)

SDI Input Module (*VP30 only)*

Rackmount Brackets

Brushed Aluminum Face Plate

DVDO ANCHOR BAY TECHNOLOGIES

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